

# 1SS286

## SCHOTTKY BARRIER DIODE

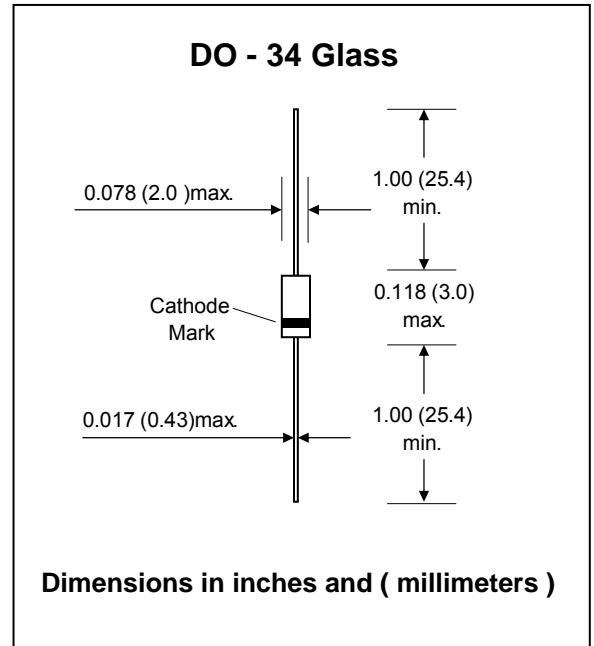
### FEATURES :

- Very Low  $I_R$
- Low  $V_F$  and high efficiency.
- Pb / RoHS Free

### MECHANICAL DATA :

Case: DO-34 Glass Case

Weight: approx. 0.11g



### Maximum Ratings and Thermal Characteristics (Rating at 25 °C ambient temperature unless otherwise specified)

Parameter	Symbol	Value	Unit
Reverse Voltage	$V_R$	25	V
Average Rectified Current	$I_o$	35	mA
Power Dissipation	$P_D$	150	mW
Junction Temperature	$T_J$	100	°C
Storage temperature range	$T_{stg}$	-55 to + 100	°C

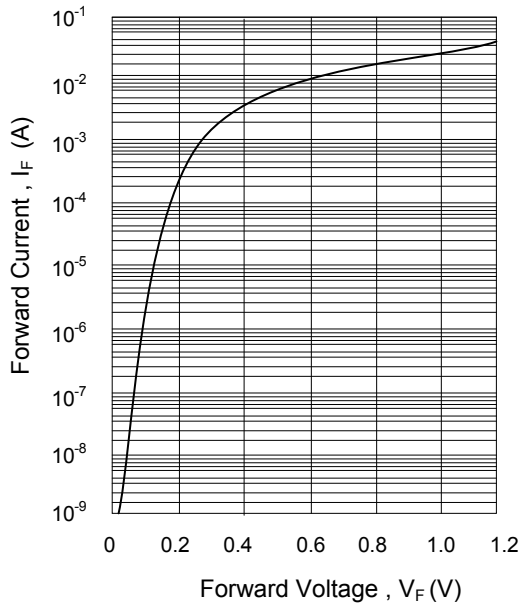
### Electrical Characteristics ( $T_J = 25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Reverse Current	$I_R$	$V_R = 10\text{ V}$	-	-	10	nA
Reverse Voltage	$V_R$	$I_R = 10\ \mu\text{A}$	25	-	-	V
Forward Voltage	$V_F$	$I_F = 10\text{ mA}$	-	-	0.6	V
Forward Current	$I_F$	$V_F = 1\text{ V}$	3.0	-	-	mA
Diode Capacitance	Cd	$V_R = 0\text{V}, f = 1\text{MHz}$	-	-	1.2	pF
Diode Capacitance Deviation	$\Delta\text{Cd}$	$V_R = 0\text{V}, f = 1\text{MHz}$	-	-	$\pm 0.05$	pF
Forward Voltage Deviation	$\Delta V_F$	$I_F = 10\text{ mA}$	-	-	$\pm 5$	mV

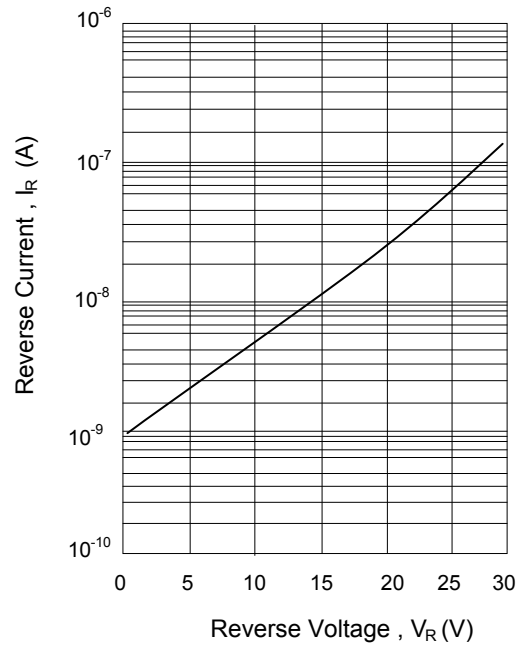


### RATING AND CHARACTERISTIC CURVES ( 1SS286 )

Forward Current VS. Forward Voltage



Reverse Current VS. Reverse Voltage



Diode capacitance VS. Reverse Voltage

